



Missouri

Crop & Livestock Reporter

Missouri Field Office · 601 Business Loop 70 West, Ste 240 · Columbia, MO 65203
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August 18, 2008

Corn and Soybean Acreage for Harvest Larger Than Anticipated

Missouri corn plantings are estimated at 2.80 million acres, 19 percent below last year and 3 percent below the June 1 estimate. Corn acres for harvest for grain are forecast at 2.60 million acres, down 20 percent from 2007 but 4 percent above the June estimate. Based on conditions as of August 1, yield per harvested acre is forecast at 146 bushels, second only to the 162 bushels per acre harvested in 2004 and 14 bushels above the 5-year average. Production is forecast at 380 million bushels. If realized, this production would be 18 percent below a year ago but still the fourth largest corn crop on record.

Soybean planted acreage in **Missouri** is estimated at 5.30 million acres, 15 percent above 2007 and unchanged from the June 1 estimate. This is the largest planted acreage since 1999. Harvested acres are expected to total 5.10 million acres, 12 percent above last year and 2 percent above the June 1 forecast but virtually unchanged from the 5.11 million acres harvested in 2006. Yield is forecast at 37 bushels per acre, the same as 2007 but down one bushel per acre from 2006. Production is forecast at 189 million bushels, 12 percent above 2007 but 3 percent below 2006. This would be the third largest soybean crop on record.

Missouri winter wheat producers harvested 1.12 million acres of the 1.20 million acres planted last fall. Harvested acreage is up 27 percent from the previous year and 23 percent above 2006. This is the largest harvested acreage since 1998. Yield per harvested acre is forecast at 50 bushels, 7 bushels per acre more than a year earlier but 4 bushels per acre below 2006. Production is forecast at 56.0 million bushels, 48 percent above last year and 14 percent above 2006.

The total area of **all hay** to be harvested in **Missouri** is forecast at 4.15 million acres, 2 percent above last year and slightly above 2006. Harvested acres of **alfalfa** are forecast at 400,000 acres which are expected to produce 1.20 million tons with a yield of 3.00 tons per acre. **Other hay** harvested acres are forecast at 3.75 million acres. Production of other hay is forecast at 7.5 million tons from a yield of 2.00 tons per acre. **Cotton** planted acres in **Missouri** are estimated at 300,000 acres, down 22 percent, from last years and the lowest level since 1990. Producers expect to harvest 299,000 acres. A yield of 963 pounds per acre is forecast, the third highest yield on record behind 2004 and 2007. The resulting 600,000 480-pound bales would be 21 percent below last year and the lowest production since 1996. Planted acres of **Missouri rice** are estimated at 200,000 acres, 11 percent above 2007. Harvested acres are forecast at 199,000 acres. A record yield of 7,300 pounds per acre is forecast. If realized, this would result in a production of 14.5 million hundredweight.

Planted acres of **sorghum** in **Missouri** are estimated at 110,000 acres, the same as a year earlier but 10 percent above 2006. Sorghum to be harvested for grain is forecast at 105,000 acres, also unchanged from last year and 10,000 acres above 2006. A yield of 93 bushels per acre is expected which would result in a production of 9.77 million bushels, 3 percent below 2007 but 21 percent above 2006. **Missouri tobacco** farmers set 1,450 acres of tobacco in 2008, down 150 acres from last year. Yield is expected to be 2,100 pounds per acre and production is forecast at 3.05 million pounds, down 18 percent from last year and down 10 percent from 2006.

Crop Production 2007 and Forecasted August 1, 2008

| Crop | Missouri | | | | | | United States | | | | | |
|-------------------------------|-------------|-------|----------|-------|------------|---------|---------------|---------|----------|-------|------------|------------|
| | Harvested | | Yield | | Production | | Harvested | | Yield | | Production | |
| | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 |
| | 1,000 Acres | | Per Acre | | 1,000 | | 1,000 Acres | | Per Acre | | 1,000 | |
| Corn ^{1/} | 3,250 | 2,600 | 142 | 146 | 461,500 | 379,600 | 86,542 | 79,290 | 151 | 155 | 13,073,893 | 12,287,875 |
| Soybeans ^{1/} | 4,550 | 5,100 | 37 | 37 | 168,350 | 188,700 | 62,820 | 73,341 | 41 | 41 | 2,585,207 | 2,972,577 |
| Winter Wheat ^{1/ 2/} | 880 | 1,120 | 43 | 50 | 37,840 | 56,000 | 35,952 | 40,252 | 42 | 47 | 1,515,989 | 1,874,857 |
| Grain Sorghum ^{1/} | 105 | 105 | 96 | 93 | 10,080 | 9,765 | 6,805 | 6,442 | 74 | 64 | 504,993 | 410,134 |
| Rice ^{3/} | 178 | 199 | 6,900 | 7,300 | 12,279 | 14,527 | 2,748 | 2,879 | 7,185 | 7,116 | 197,456 | 204,882 |
| Tobacco ^{4/} | 1,600 | 1,450 | 2,330 | 2,100 | 3,728 | 3,045 | 356,000 | 350,440 | 2,191 | 2,271 | 779,899 | 796,009 |
| Cotton ^{5/} | 379 | 299 | 968 | 963 | 764 | 600 | 10,201 | 7,655 | 864 | 831 | 18,355 | 13,245 |
| All Hay ^{6/} | 3,650 | 3,750 | 1.75 | 2.00 | 6,388 | 7,500 | 39,955 | 39,661 | 1.95 | 1.94 | 77,729 | 77,011 |

1/ Yield and production in bushels.

2/ Carried forward from earlier months.

3/ Yield in pounds and production in cwt.

4/ Yield and production in pounds.

5/ Yield in pounds and production in 480 pound bales.

6/ Yield and production in tons.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1046>

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July 1 Cattle Inventory Down Slightly

All cattle and calves in the United States as of July 1, 2008, totaled 104.3 million head, slightly below the 104.8 million on July 1, 2007 and down 1 percent from the 105.2 million two years ago.

All cows and heifers that have calved, at 42.4 million, was down slightly from both July 1, 2007 and July 1, 2006.

Beef cows, at 33.2 million, were down 1 percent from July 1, 2007 and 1 percent below two years ago.

Milk cows, at 9.25 million, were up 1 percent from July 1, 2007 and 1 percent above two years ago. Other class estimates on July 1, 2008 and the changes from July 1, 2007, are as follows:

All heifers 500 pounds and over, 16.5 million, down 1 percent.

Beef replacement heifers, 4.6 million, down 2 percent.

Milk replacement heifers, 3.9 million, unchanged.

Other heifers, 8.0 million, unchanged.

Steers weighing 500 pounds and over, 14.7 million, down 1 percent.

Bulls weighing 500 pounds and over, 2.1 million, unchanged.

Calves under 500 pounds, 28.6 million, down slightly.

All cattle and calves on feed for slaughter, 11.7 million, down 5 percent.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1017>

Missouri Farm and Real Estate Value

Missouri farm and real estate value, including land and buildings, increased 7.5 percent to \$2,450 per acre as of January 1, 2008 compared to \$2,280 per acre on January 1, 2007. Non-irrigated cropland values increased 8.7 percent to \$2,630 per acre, while irrigated cropland values increased 7.5 percent to \$3,170. Combined, this leads to an all cropland value of \$2,660, an 8.6 percent increase over last year. Pasture value increased 5.5 percent to \$1,920 per acre.

Non-irrigated cropland cash rent increased from last year to \$85 per acre, up \$6 per acre from 2007. Pasture cash rent increased to \$29 per acre compared to \$26 per acre last year.

Average Value per Acre, by Region and State January 1, 2004 – 2008

| Farm Real Estate | | | | | | |
|-------------------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Region & State | 2004 | 2005 | 2006 | 2007 | 2008 | Change 07 - 08 |
| | <i>Dollars</i> | | | | | <i>Percent</i> |
| Corn Belt: | 2,300 | 2,720 | 3,050 | 3,450 | 3,910 | 13.3 |
| IL | 2,610 | 3,330 | 3,800 | 4,330 | 5,000 | 15.5 |
| IN | 2,770 | 3,140 | 3,630 | 4,000 | 4,450 | 11.3 |
| IA | 2,200 | 2,650 | 2,930 | 3,400 | 4,000 | 17.6 |
| MO | 1,580 | 1,790 | 1,980 | 2,280 | 2,450 | 7.5 |
| OH | 2,930 | 3,180 | 3,490 | 3,800 | 4,150 | 9.2 |
| 48 States ^{1/} | 1,360 | 1,650 | 1,900 | 2,160 | 2,350 | 8.8 |

1/ Excludes Alaska and Hawaii.

Average Value per Acre, by Region and State January 1, 2004 – 2008

| Cropland | | | | | | |
|-------------------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Region & State | 2004 | 2005 | 2006 | 2007 | 2008 | Change 07 - 08 |
| | <i>Dollars</i> | | | | | <i>Percent</i> |
| Corn Belt: | 2,450 | 2,880 | 3,240* | 3,710 | 4,260 | 14.8 |
| IL | 2,700 | 3,370 | 3,850 | 4,460 | 5,320 | 19.3 |
| IN | 2,750 | 3,150 | 3,670 | 4,050 | 4,550 | 12.3 |
| IA | 2,320 | 2,770 | 3,110* | 3,630 | 4,310 | 18.7 |
| MO | 1,690 | 1,890 | 2,090 | 2,450 | 2,660 | 8.6 |
| OH | 2,940 | 3,230 | 3,540 | 3,920 | 4,250 | 8.4 |
| 48 States ^{1/} | 1,770 | 2,110 | 2,390* | 2,690 | 2,970 | 10.4 |

*Revised

1/ Excludes Alaska and Hawaii.

Average Value per Acre, by Region and State January 1, 2004 - 2008

| Pasture | | | | | | |
|-------------------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Region & State | 2004 | 2005 | 2006 | 2007 | 2008 | Change 07 - 08 |
| | <i>Dollars</i> | | | | | <i>Percent</i> |
| Corn Belt: | 1,200 | 1,440 | 1,670 | 2,010 | 2,220 | 10.4 |
| IL | 1,110 | 1,720 | 2,050 | 2,500 | 2,800 | 12.0 |
| IN | 1,780 | 1,930 | 2,090 | 2,500 | 2,800 | 12.0 |
| IA | 880 | 1,070 | 1,400 | 1,800 | 2,100 | 16.7 |
| MO | 1,130 | 1,340 | 1,550 | 1,820 | 1,920 | 5.5 |
| OH | 2,100 | 2,240 | 2,400 | 2,820 | 3,400 | 20.6 |
| 48 States ^{1/} | 634 | 761 | 1,000 | 1,160 | 1,230 | 6.0 |

*Revised

1/ Excludes Alaska and Hawaii.

Average Cash Rent per Acre, by Region and State, 2004 - 2008

| Cropland Rented for Cash | | | | | | |
|--------------------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Region & State | 2004 | 2005 | 2006 | 2007 | 2008 | Change 07 - 08 |
| | <i>Dollars</i> | | | | | <i>Percent</i> |
| Corn Belt: | 114.00 | 117.00 | 119.00 | 126.00 | 140.00 | 11.1 |
| IL | 126.00 | 129.00 | 132.00 | 141.00 | 160.00 | 13.5 |
| IN | 107.00 | 109.00 | 111.00 | 120.00 | 135.00 | 12.5 |
| IA | 126.00 | 131.00 | 133.00 | 140.00 | 165.00 | 17.9 |
| MO^{2/} | 76.00 | 79.00 | 79.00 | 79.00 | 85.00 | 7.6 |
| OH | 80.00 | 82.00 | 86.00 | 91.00 | 103.00 | 13.2 |
| 48 States ^{1/} | 76.50 | 78.00 | 79.50 | 85.00 | 96.00 | 12.9 |

*Revised

1/ Excludes Alaska and Hawaii.

2/ Non-Irrigated

Average Cash Rent per Acre, by Region and State, 2004 - 2008

| Pasture Rented for Cash | | | | | | |
|-------------------------|----------------|--------------|--------------|--------------|--------------|----------------|
| Region & State | 2004 | 2005 | 2006 | 2007 | 2008 | Change 07 - 08 |
| | <i>Dollars</i> | | | | | <i>Percent</i> |
| Corn Belt: | 29.00 | 30.50 | 31.00 | 31.50 | 36.00 | 14.3 |
| IL | 34.00 | 34.50 | 34.00 | 35.00 | 40.00 | 14.3 |
| IA | 32.50 | 36.00 | 38.00 | 39.00 | 42.00 | 7.7 |
| MO | 26.00 | 27.00 | 26.00 | 26.00 | 29.00 | 11.5 |
| 48 States ^{1/} | 9.60 | 10.30 | 10.80 | 12.00 | 13.00 | 8.3 |

1/ Excludes Alaska and Hawaii.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1446>

June Milk Production

| State | Milk Cows ^{1/} | | Milk Per Cows ^{2/} | | Milk Production ^{2/} | |
|-----------|-------------------------|------------|-----------------------------|--------------|-------------------------------|------------|
| | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 |
| | 1000 Head | | Pounds | | Million Pounds | |
| IL | 103 | 102 | 1,550 | 1,565 | 160 | 160 |
| IA | 214 | 216 | 1,675 | 1,650 | 358 | 356 |
| MO | 112 | 110 | 1,240 | 1,240 | 139 | 136 |
| 23-State | 8,302 | 8,460 | 1,712 | 1,737 | 14,216 | 14,697 |

^{1/} Includes dry cows, excludes heifers not yet fresh.

^{2/} Excludes milk sucked by calves.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1103>

U.S. Dairy Production by Product

| Product | Jun 2008 | Change From | |
|------------------------------|---------------|-------------|----------|
| | | Jun 2007 | May 2008 |
| | 1,000 Pounds | Percent | |
| Butter | 119,840 | 9.0 | -16.0 |
| Cheese | | | |
| American Types ^{1/} | 332,510 | 5.4 | -5.4 |
| Total | 803,263 | 1.3 | -3.4 |
| | 1,000 Gallons | Percent | |
| Frozen Products | | | |
| Ice Cream, Hard | 89,993 | 3.4 | 11.5 |
| Ice Cream, Lowfat, Total | 43,351 | 6.8 | 11.1 |
| Ice Cream, Nonfat, Hard | 1,239 | -6.5 | 4.6 |
| Sherbet, Hard | 5,555 | -9.9 | -0.2 |
| Frozen Yogurt, Total | 6,747 | 5.6 | 0.4 |
| | 1,000 Pounds | Percent | |
| Dry Whey Products | | | |
| Dry Whey, Human | 86,514 | -3.00 | -5.30 |
| Dry Whey, Animal | 5,994 | 9.20 | 5.20 |
| Dry Whey, Total | 92,508 | -2.30 | -4.70 |

^{1/} Includes Cheddar, Colby, Monterey and Jack.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1052>

Chicks Hatched by Commercial Hatcheries

| Item | June | | Jan – Jun | |
|-------------------------|---------|---------|-----------|-----------|
| | 2007 | 2008 | 2007 | 2008 |
| | 1,000 | | | |
| Broiler-Type | | | | |
| 19 States ^{1/} | 784,619 | 780,692 | 4,631,692 | 4,700,523 |
| U.S. | 808,329 | 806,202 | 4,770,890 | 4,853,363 |
| Egg-Type | | | | |
| U.S. | 40,641 | 42,538 | 229,470 | 243,576 |

^{1/} States in the weekly hatchery production estimating program.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1028>

Average Prices Received by Farmers ^{1/}

| Commodity | Unit | Missouri | | | U.S. |
|-------------------------------------|------|-----------|----------|------------------------|------------------------|
| | | Jul 2007* | Jun 2008 | Jul 2007 ^{2/} | Jul 2008 ^{2/} |
| | | Dollars | | | |
| Winter Wheat | Bu | 4.90 | 5.87 | 5.50 | 7.09 |
| Corn | Bu | 3.60 | 5.38 | 5.60 | 5.61 |
| Soybeans | Bu | 7.80 | 13.70 | 14.10 | 14.20 |
| Sorghum | Cwt | 6.03 | 10.30 | 9.50 | 9.78 |
| BALED HAY ^{2/} | | | | | |
| All Hay | Ton | 101.00 | 111.00 | 102.00 | 164.00 |
| Alfalfa | Ton | 148.00 | 155.00 | 150.00 | 177.00 |
| Other | Ton | 85.00 | 90.00 | 85.00 | 130.00 |
| ALL BEEF | | | | | |
| Cows ^{3/} | Cwt | 51.30 | 54.50 | 57.40 | 56.40 |
| Steers & Heifers | Cwt | 111.00 | 105.00 | 107.00 | 100.00 |
| Cattle ^{4/} | Cwt | 96.10 | 90.90 | 94.60 | 95.70 |
| Calves | Cwt | 123.00 | 114.00 | 112.00 | 115.00 |
| ALL HOGS | | | | | |
| Sows | Cwt | 35.70 | 22.90 | 16.50 | 20.10 |
| Barrows & Gilts | Cwt | 48.00 | 50.30 | 49.80 | 54.10 |
| All Hogs | Cwt | 46.80 | 48.40 | 46.50 | 52.50 |
| Market Eggs ^{2/} | Doz | 0.760 | 0.880 | 0.640 | 0.668 |
| MILK | | | | | |
| Fluid Grade ^{5/} | Cwt | 22.50 | 19.30 | | 19.40 |
| Manufacturing Grade ^{5/} | Cwt | 20.20 | 18.90 | | 19.00 |
| All Milk ^{5/} | Cwt | 22.40 | 19.30 | 20.80 | 19.40 |
| HOG/CORN Ratio ^{6/} | | 13.00 | 9.00 | 8.30 | 9.36 |

^{1/} Prices received represent the average of all grades or classes at point of first sale and should not be confused with market quotations of specific grades or classes.

^{2/} Mid-month prices.

^{3/} Beef cows and cull dairy cows sold for slaughter.

^{4/} "Cows" and "Steers & Heifers" combined.

^{5/} Missouri June fat test %: all milk 3.55, fluid grade 3.55, mfg grade 3.61.

U.S. July fat test %: all milk 3.55, fluid grade 3.55, mfg grade 3.75.

^{6/} "All Hogs" divided by "Corn" prices.

* Revised.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1002>

June 2008 Egg Production

| State | Number of Layers on Hand | Eggs per 100 for All Layers ^{1/} | Total Production |
|-----------|--------------------------|---|------------------|
| | | | |
| | 1,000 | Number | Million Eggs |
| AR | 13,855 | 1,920 | 266 |
| IA | 53,485 | 2,253 | 1,205 |
| MO | 6,709 | 2,251 | 151 |
| U.S. | 338,538 | 2,176 | 7,366 |

^{1/} Includes all layers and eggs produced in both table egg and hatching egg flocks regardless of size.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1028>

**Farm Production Expenditures:
Farms Reporting, Average per Farm, and Total, Missouri, 2006 - 2007**

| Expenditure – Farm Share | Farms Reporting | | Average per Farm | | Total Expenditures | |
|--|-----------------|-------|------------------|--------|------------------------|-------|
| | 2006 | 2007 | 2006 | 2007 | 2006 | 2007 |
| | <i>Percent</i> | | <i>Dollars</i> | | <i>Million Dollars</i> | |
| Total Farm Production Expenditures | 100.0 | 100.0 | 56,667 | 64,115 | 5,950 | 6,700 |
| Livestock, Poultry & Related Expenses | 24.1 | 25.8 | 4,762 | 4,402 | 500 | 460 |
| Feed | 67.1 | 65.2 | 5,333 | 6,699 | 560 | 700 |
| Farm Services | 94.6 | 93.1 | 5,905 | 6,603 | 620 | 690 |
| Rent | 27.4 | 26.4 | 6,095 | 6,220 | 640 | 650 |
| Agricultural Chemicals | 53.5 | 33.9 | 2,571 | 2,871 | 270 | 300 |
| Fertilizer, Lime & Soil Conditioners | 67.1 | 50.0 | 4,667 | 6,124 | 490 | 640 |
| Interest | 37.7 | 38.7 | 3,524 | 3,732 | 370 | 390 |
| Taxes (Real Estate & Property) | 100.0 | 100.0 | 2,952 | 3,349 | 310 | 350 |
| Labor | 18.8 | 22.1 | 2,286 | 3,254 | 240 | 340 |
| Fuels | 91.2 | 78.7 | 3,143 | 3,923 | 330 | 410 |
| Farm Supplies & Repairs | 89.0 | 75.7 | 3,714 | 3,923 | 390 | 410 |
| Farm Improvements & Construction | 48.3 | 46.2 | 3,333 | 3,828 | 350 | 400 |
| Tractors and Self-Propelled Farm Machinery | 21.3 | 25.0 | 2,667 | 2,967 | 280 | 310 |
| Other Farm Machinery | 25.9 | 24.6 | 1,429 | 1,340 | 150 | 140 |
| Seeds & Plants | 37.7 | 30.9 | 3,238 | 3,732 | 340 | 390 |
| Trucks & Autos | 21.2 | 24.9 | 952 | 1,053 | 100 | 110 |
| Miscellaneous Capital Expenses | 18.1 | 21.8 | 95 | 96 | 10 | 10 |

See website for footnotes.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1066>

Look for these reports at: <http://www.nass.usda.gov/Publications/index.asp>

Farm Labor – August 15

Mushrooms – August 22

Livestock Slaughter – August 22

Crop Production – September 12

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